

ETA-Danmark A/S Göteborg Plads 1 DK-2150 Nordhavn Tel. +45 72 24 59 00 Internet www.etadanmark.dk Authorised and notified according to Article 29 of the Regulation (EU)
No 305/2011 of the European Parliament and of the Council of 9 March 2011



European Technical Assessment ETA-21/0035 of 2021/01/01

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

Protecta FR Acrylic

Product family to which the above construction product belongs:

Fire Stopping and Sealing Product:

Penetration Seals

Manufacturer:

Polyseam Ltd 15. St. Andrews Road

Huddersfield, West Yorkshire

HD1 6SB, UK

Manufacturing plant:

Polyseam Ltd

15. St. Andrews Road

Huddersfield, West Yorkshire

HD1 6SB, UK

This European Technical Assessment contains:

86 pages including 2 annexes which form an integral

part of the document

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of: EAD 350454-00-1104, September 2017

This version replaces:

-

Page 7 of 86 of European Technical Assessment ETA-21/0035 issued on 2021-01-01 Performance of the product and references to the methods used for its assessment

| Product-type: Sealant | Intended use: Per | | netration Seal | | |
|---|--|--|--|--|--|
| Assessment method | Essential characteristic | | Product Performance | | |
| BWR 2 Safety in case of fire | | | | | |
| | Reaction to fire | | Class B-s1, d0 | | |
| | Resistance to fire | | Annex A | | |
| BWR 3 Hygiene, health and environment | | | | | |
| | Air permeability | | Annex B | | |
| | Water permeability | | No performance assessed | | |
| | Content, emission and/or release of dangerous substances | | Use categories: IA1, S/W2 Declaration of manufacturer | | |
| BWR 4 Safety in use | | | | | |
| | Mechanical resistance and stability | | No performance assessed | | |
| | Resistance to impact/movement Adhesion | | No performance assessed | | |
| | | | No performance assessed | | |
| | Durability | | Z ₂ | | |
| BWR 5 Protection against noise | | | | | |
| | Airborne sound insulation | | No performance assessed | | |
| BWR 6 Energy economy and heat retention | | | | | |
| | Thermal properties | | No performance assessed | | |
| | Water vapour permeability | | No performance assessed | | |

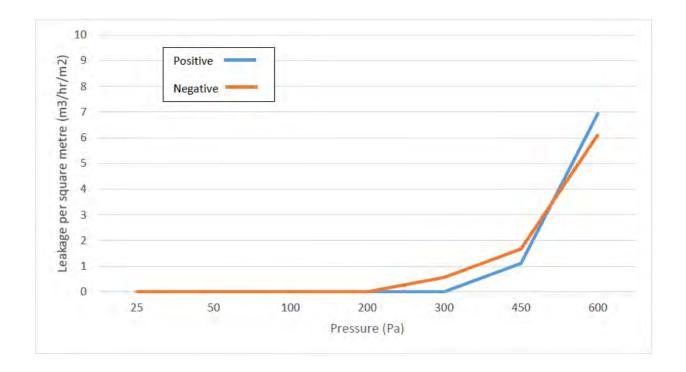


Protecta® FR Acrylic has been tested at Warringtonfire Testing and Certification Ltd (UKAS accredited); according to EN 1026: 2016 under the UK Construction Products Regulations 2013 (Basic Works Requirements BWR 3) and has zero air permeability up to 200Pa of pressure (10 x furnace pressure required under AS1530).

Firestop Centre Ltd systems using Protecta FR Acrylic sealant at least 10mm deep and up to 30mm wide are therefore rated **ZERO SMOKE** systems.

ANNEX B – Air Permeability – Protecta FR Acrylic

| Product tested | 10mm deep x 30mm wide Protecta FR Acrylic | | | |
|---|---|----------------|-------------------|--|
| Sui | mmary of testing procedu | Result | | |
| | Pressure (Pa) | Leakage (m³/h) | Leakage (m³/m²/h) | |
| Results under negative chamber pressure | 25 | 0.00 | 0.00 | |
| | 50 | 0.00 | 0.00 | |
| | 100 | 0.00 | 0.00 | |
| | 200 | 0.00 | 0.00 | |
| | 300 | 0.02 | 0.56 | |
| | 450 | 0.06 | 1.67 | |
| | 600 | 0.22 | 6.11 | |
| Results under positive chamber pressure | 25 | 0.00 | 0.00 | |
| | 50 | 0.00 | 0.00 | |
| | 100 | 0.00 | 0.00 | |
| | 200 | 0.00 | 0.00 | |
| | 300 | 0.00 | 0.00 | |
| | 450 | 0.04 | 1.11 | |
| | 600 | 0.25 | 6.94 | |



Page 86 of 86 of European Technical Assessment ETA-21/0035 issued on 2021-01-01